

# Receiving Report

Date:	<u>12/11/15</u>	Batch No:	<u>M123702</u>
Supplier:	<u>TYP YRS</u>	Dart P/O:	<u>1837K</u>
Packing Slip:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
Invoice:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Receipt:	Cash <input type="checkbox"/>	Cr <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Release Note Attached: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>			
Waybill Attached: DAS Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>			
Shipment Complete: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>			
QC6 Inspection: <u>14-0274-16</u> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>			
Work Order: <u>9-69</u> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>			

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12 E

Production/Admin:

Date

Received/Costing

Initial

Location \_\_\_\_\_

## Purchase Order Receipt Listing

Thursday, November 15, 2012 8:49:22 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO18348 Receipt Dates from 11/15/2012 to 11/15/2012 All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID Req	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
PO18348	1	VC-COP001	Thyssenkrupp Materials CA Ltd	M6061T6S.032 sf	11/14/2012 11/15/2012	192.00000 DESJ02	\$2.19 \$420.42	0.00000 0.00000	0.00000 0.00000	0 0	\$420.42
CAD	No		6061-T6 Sheet 0.032" sf		192.00000	DESJ02					
			123701								
	3		M2024T3S.063 sf	11/14/2012 11/15/2012	192.00000 DESJ02	\$5.86 \$1,124.72	0.00000 0.00000	0.00000 0.00000	0 0		\$1,124.72
	No		2024-T3 .063 sheet sf		192.00000	DESJ02					
			123701								
	9		M303B1.000X2.000 f	12/11/2012 11/15/2012	12.00000 DESJ02	\$33.93 \$407.13	0.00000 0.00000	0.00000 0.00000	0 0		\$407.13
	No		303 BAR 1" X 2" f		12.00000	DESJ02					
			123701								

Total Received Quantity: 396.0000  
Total Qty to Inspect (PO U/M): 0.0000  
Total Reject Quantity: 0.0000  
Total Receipt Value: \$1,932.27  
Total Balance Due Quantity: 0.0000

## B I L L O F L A D I N G

No: PEC 795191  
 Ship From: THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033  
 Ship Date 14Nov12 at 14:50 From PFW  
 Probill  
 Via VIM TRANSFER  
 FOB CONCORD  
 Frt PREPAID  
 Route 0- 0 Manifest  
 Vhcle Trailer  
 Slp STAN IVERS (905-532-1350)  
 Sold To: ( 20115)  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7  
 Tel: 613-632-9577 Fax: 613-632-1053

## B I L L O F L A D I N G

1) Our Order PEC-507933- 1 Your PO # 18348

ALUMINUM SHEET 6061 T6

.0320 Nom X 48.0000" X 144.0000"

Heat Number	Tag No
599936A2	124571

Quantity	PCS
192.00 SFT	4

Wt	LBS
	87

2) Our Order PEC-507933- 2 Your PO # 18348

ALUMINUM SHEET 2024 -T3

.0640 Nom X 48.0000" X 144.0000"

Heat Number	Tag No
64862/01	124572

Quantity	PCS
192.00 SFT	4

Wt	LBS
	174

Tags	PCS
TOTAL: 2	8

	LBS
	261

SUR-CHARGE ADDED ON 507930

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*

\*\* REFERENCED ON IT \*\*

TOTAL 1 CUSH 1 SKID G.W 407 LBS

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*  
 \*\*\*\* TEL. 800-926-2600 \*\*\*\*

Page: 1 ....Continued

*1 crate  
1 crush*

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

*10/11/15*

## B I L L O F L A D I N G

No: PEC 795197

Ship From:  
**THYSSENKRUPP MATERIALS NA**  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 14Nov12 at 15:06 From PFW  
 Probill  
 Via VIM TRANSFER  
 FOB CONCORD  
 Frt PREPAID  
 Route 0- 0 Manifest  
 Vhcle Trailer  
 Slp STAN IVERS (905-532-1350)  
 Sold To: ( 20115 )  
**DART AEROSPACE**  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7  
 Tel: 613-632-9577 Fax: 613-632-1053

## B I L L O F L A D I N G

1) Our Order PEC-507943- 1 Your PO # 18348  
**STAINLESS STEEL FLAT BAR 303CD**  
 1.00" X 2.00" X 144.0000"

Heat Number Tag No  
 258118 124560

Quantity	PCS	Wt LBS
12 FT	1	82

Tags	PCS	LBS
TOTAL: 1	1	82

SUR-CHARGE ADDED ON 507930 / 507933

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*

\*\* REFERENCED ON IT \*\*

TOTAL OF 1 PC GR.W. 82 LBS

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA CONCORD, ONT.\*      \*\*\* 9:00 AM TO 4:00 PM \*\*\*

Page: 1 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

## B I L L O F L A D I N G

No: PEC 795197

Ship From:  
**THYSSENKRUPP MATERIALS NA**  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 14Nov12 at 15:06 From PFW  
 Probill  
 Via VIM TRANSFER  
 FOB CONCORD  
 Frt PREPAID  
 Route 0- 0 Manifest  
 Vhcle Trailer  
 Slp STAN IVERS (905-532-1350)  
 Sold To: ( 20115)  
 DART AEROSPACE

Ship To: ( 1)  
**DART AEROSPACE**

## B I L L O F L A D I N G

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE

ADDED TO EVERY ORDER.\*\*\*

Page: 2 .... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANTISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

# Acciaierie Valbruna S.p.A.

36100 VICENZA (Italia) - Viale della scienza, 25 z.I.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Clien  
VALBRUNA STAINLESS INC.  
2400 TAYLOR STREET WEST  
46801-FORT WAYNE, IN 46801-US

Produttore: ACCIAIERIE VALBRUNA S.p.A.  
Herasteller/Firm/Usine productrice



51-144847  
CERTIFICATO DI COLLAUDO  
ABNAHMEPRUEFZEUGNIS  
INSPECTION CERTIFICATE  
CERTIFICAT DE RECEPTION  
EN 10204 (2004), 3.1

Stato di fornitura: - Annealed Cold Drawn  
Lieferzustand/Delivery state/Etat de livraison

Specifiche:  
Anforderungen / Requirements / Exigences  
VSI 0 303 A,CF  
AMS 5640 U TYPE1,A  
ASTM A320 2011A B8F (1)  
MIL-S-862 B/1 303

(0) SEC.II PT.A 2010 EDITION ADD. 2011B  
(1) Chemical analysis only.

Avviso di Spedizione: D-VII10207851  
Lieferanzeige/Packing list/B.L.

Ordine nr. 33244 5400144847-R02  
Bestell/Vour order/Commande

Tipo di Elaborazione: E+AOD  
Erschmelzungsart/Melting process/Mode d'élaboration

AISI 303  
ASME SA320 2010 B8F (0)  
ASTM A370 2011A,  
QQ-S-764 B/2 303 A

Certificato nr: MEST249418/2012/  
Prüfung/Test/Essai

Conforma ordine nr: EI12004351  
WerksOur Order/Ref.nr.

Marchio di Fabbrica:  
Zeichen des Ufahrmekers  
Trade mark  
Signe de l'usine productrice

Punzonatura del Collaudatore:  
Stampel des Werkssachverständigen  
Inspector's stamp/Pointon de l'assayeur



AMS 5640 U S30300 A.  
ASTM A314 2008 S30300  
ASTM A582 2012 S30300 A

(0) Chemical analysis only.

Qualità: T-303 MAXX  
Werkstoff/Grade/Niveau

Marca: AU188Z/P		Tolleranza: ASTM A484-11		Punzonatura: 303					
Markenbezeichnung Brand/Marque		Toleranz/Accurancy/Tolerance		Kennzeichnung/Marking/Marquage					
Pos. nr. Part nr. Nr. de partie	Oggetto Gegenstand Product description: Descrip. du produit	Dimensioni - In Abmessungen Dimensions: Dimensions		Lunghezza - In Länge Length Longueur	Colata Schmelze Melt Coulée	Pezzi Stückzahl Pieces Pièces	Peso - LB Weight Poids Poids	Lotto nr. Lot nr. Loi. nr.	
0071	Flat	2,0000 x 1,0000		146 / 146	258118		2,068	205303960	

TEST ALLO STATO DI FORNITURA									
Test on delivery condition			Prüfung auf lieferberitem produkt			test a l'état de fourniture			Prueba sobre el material así como entregado
TEST	Prova/etichetta Überprüfung/Étiquette Längsdicke: Dicke: Dient. Dicke Width: Dicke: Thickness Längsdicke: espessore mm	°F	Snervamento Spannung Tensión Tension Rm k.s.i.	Snervamento Spannung Tensión Tension Rm k.s.i.	Resistenza Tensile strength Resistencia à la traction Rm k.s.i.	Allungamento Elongation Elongación Allongement	Strizione Erschöpfung Reduction of area Solución %	RA %	Resilienza Kehrkreisigkeit Impact Value Resilience Durezza Härte Dureza HB
Valori richiesti 1 Anforderungen/Required values Valores solicitados	min max		Rp 0,2% Rp 0,2% k.s.i.		-	-	-	-	140 255
A	12,5	68	L	67		99	37	53	227
TEST				min	max				
A	Grain size for ASTM E112					5			

t) = longitudinale/tension; t) = transversale/torsi; Q = Tangenziale/tangential

Mechanical properties according to ASTM A370.

### Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata /nest Schmelze/Coulée	min - max 0,150	1,00	1,50 2,00	17,00 19,00	0,80	1,00	8,00 10,00	-	0,100	0,25 0,35	-0,400	-	-	-	-
258118	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %				
	0,041	0,32	1,70	17,28	0,37	0,61	8,06	0,160	0,031	0,28	0,002				

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1940°F for 1 h/water.

Micro and macro etch test: OK

Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste  
Die gestellten Anforderungen sind erfüllt.  
The material has been furnished in accordance with the requirements  
Le matériau est été trouvé conforme aux exigences

Controllo antimesscolanza: OK  
Verweichungsprüfung: spezialanalytisch durchgeführt  
Antimding testing performed: OK  
Contrôle antimétaux fait: r.v.a.

Controllo visivo e dimensionale: soddisfa le esigenze  
Besichtigung und Ausmessung: ohne Besonderheit  
Visual inspection and dimensional check/visitectomie  
Contrôle visuel et dimensionnel: satisfaisant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination  
We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.  
The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1,s..4.3 by TUEV and LLOYD'S

Vicenza,27/09/12 VC0008 (Mod. MCE2)	Il collaudatore di stabilimento / der Werkssachverständige / Works inspector / L'agent d'usine M.Rizzotto	Pagina - 1 di 2
---	--	-----------------

From: Copper and Brass Sales

Cust: THYSSENKRUPP MATERIALS NA - ECAD Del: 2402156549

Part: PO: PEC# 243499

Wgt: 82.000 LB Date: 11/09/2012

James E. Baber

# Acciaierie Valbruna s.p.a.

36100 VICENZA (Italia) - Viale della scienza, 25 z.I.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4  
Clienti / ~~Supplier/Purchaser/Clien~~  
VALBRUNA STAINLESS INC.  
2400 TAYLOR STREET WEST  
46801-FORT WAYNE, IN 46801-US

Produttore: ACCIAIERIE VALBRUNA S.P.A.  
Herasteller/Item/Usine producice

Stato di fornitura: - Annealed/Cold Drawn  
Lieferzustand/Delivery state/Etat de livraison



QUALITY MANAGEMENT SYSTEM  
CERTIFIED BY LLOYD'S REGISTER

## CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2004), 3.1

Avviso di Spedizione: D-VI12027851  
Lieferanzeige/Packing list/B.L.

Ordine nr: 33244 5400144847-R02  
Bestell/Your order/Commande

Tipo di Elaborazione: E+AOD  
Erzhettungstechnik/Melting process/Mode d' elaboration

Certificato nr: MEST249418/2012/  
Prüfung/Test/Essai

Conferma ordine nr: EI12004351  
Werks/Our Order/Réf. nr.

Marchio di Fabbrica:  
Zeichen des Lieferwerkes  
Trade mark  
Signe de l' usine producice



Punzone del Collaudatore:  
Stampel des Werkssachverständigen  
Inspector's stamp/Pointeur de l' assesseur

Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction. The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 27/09/12  
VCO008  
(Mod. MCE2)

Il collaudatore di stabilimento / der Werkssachverständige / Works inspector / L' agent d' usine  
*M.Rizzotti*

Pagina - 2 di 2

From: Copper and Brass Sales

Cust: THYSSENKRUPP MATERIALS NA - ECAD Del: 2402156549

Part: PO: PEC# 243499

Wgt: 82.000 LB Date: 11/09/2012

*James E. Baber*

**SHIP TO:**  
**COPPER & BRASS SALES**  
**905 CARLOW DRIVE**  
**UNIT D**  
**BOLINGBROOK, IL 60490**

**SOLD TO:**  
**COPPER & BRASS SALES**  
**ATTN: ACCOUNTS PAYABLE**  
**P.O. Box 5116**  
**SOUTHFIELD, MI 48086**

CUSTOMER PO NUMBER:		WORK PACKAGE:	CUSTOMER PART NUMBER:		SHIP RUN/LOAD:		GOVT CONTRACT NUMBER:
5400150915			ALFLR01643		102451/17		
KAISER ORDER NO:	LINE ITEM:	SHIP DATE:	ALLOY:	CLAD:	TEMPER:	PRODUCT DESCRIPTION:	
1140063	1	12-OCT-2012	6061	BARE	T6	HT Flat Sheet	
WEIGHT SHIPPED:	QUANTITY:	TRUCK BIL #:		GAUGE: 0.0320 IN (0.8128 MM)	DIAMETER/WIDTH: 48.000 IN (1219.2 MM)	LENGTH: 144.000 IN (3657.6 MM)	
10807 LB	493 PCS EST.	2039250					

MHU 1627545: LOT 599936A2: 38 pieces;  
MHU 1627689: LOT 599936A2: 175 pieces;  
MHU 1629089: LOT 610815A3: 104 pieces;  
MHU 1629095: LOT 610815A3: 175 pieces;

### Certified Specifications

AMS 4027/RevN

ASME SB 209/Rev2004

ASTM B 209/Rev10

Test Code: 1511

### Test Results

Lot: 599936A2 Cast 880

Drop 06

Ingot 1

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile: Temper  
T6Dir / # Tests  
LT / 2 (Min:Max)Ultimate KSI (MPA)  
48.8 : 49.4  
(336 : 341)Yield KSI (MPA)  
43.9 : 44.3  
(303 : 305)Elongation %  
11.2 : 12.0

(ASTM E1251)

Chemistry: Si 0.76  
Actual(wt%)

FE

CU

MN

MG

CR

ZN

TI

V

ZR

TOT

OTHER  
0.05

DAS  
14  
9-89  
Koh 12/16

Page 1 of 2

From: Copper and Brass Sales

Cust: THYSSENKRUPP MATERIALS NA - ECAD Del: 2402152061

Part: PO: PEC# 243499

Wgt: 86.704 LB Date: 11/07/2012



Trentwood Works - Spokane, WA 99215  
Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number  
4278723

Lot: 610815A3 Cast 880 Drop 14 Ingot 3 Melted in USA

(ASTM E8/E8557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T6	LT / 2 (Min:Max)	45.1 : 45.4 (311 : 313)	39.5 : 39.7 (272 : 274)	11.7 : 11.7

(ASTM E1251)

Chemistry:	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	TOT	0.04
Actual(wt%)	0.75	0.5	0.91	0.06	1.0	0.18	0.16	0.02	0.01	0.00			

### ALLOY LIMITS

6061	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
MIN(wt%)	0.40	0.0	0.15	0.00	0.8	0.04	0.00	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.8	0.7	0.40	0.15	1.2	0.35	0.28	0.15	0.05	0.05	TOT	0.15

### Aluminum Remainder

### TEST NOTES

6061 sheet or plate certified to AMS 4025, AMS 4026, or AMS 4027 also meets applicable requirements of AMS-QQ-A-250/11, Rev. A.

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser) hereby certifies that metal shipped under this order was melted in the United States of America or a qualifying country per DFARS 223.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.238 for domestic content. This material has been inspected, tested and found in conformance with the requirements of the applicable specification as indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. All metal which is solution heat treated complies with AMS 2772. Any warranty is limited to that shown on Kaiser's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of Kaiser Aluminum Fabricated Products, LLC laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law. ISO 9001:2000 certified.

JAMES HEMENWAY, LABORATORIES SUPERVISOR

Page 2 of 2

From: Copper and Brass Sales

Cust: THYSSENKRUPP MATERIALS NA - ECAD Del: 2402152061

Part:

PO: PEC# 243499

Wgt: 86.704 LB

Date: 11/07/2012

**Abnahmepflegezeugnis 3.1 (EN 10204)**  
**Inspection certificate – mill certificate**

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Nr.: 85271188 01 / 1

Rev. 0

Seite / page: 2 von / of 2

Datum / date: 2012 08 07

**Elektr. Leitfähigkeit / electr. conductivity**

BNr/Los Lot/No.	Zustand temper	Tests		dL, B [% IACS]				
			spec. min.					
			spec. max.	2,6				
64862/01	T3	21	Min					
64862/01	T3		Max	0,4				

**Sonstige Prüfungen / other Tests**

Biegeversuch / Transverse bend test: OK.  
Maßkontrolle / Dimensional Check: OK.  
Oberfläche / Surface Inspection: OK.

**Bemerkungen / notes**

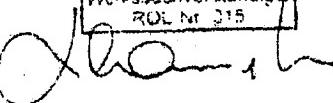
Die Dimensionstoleranzen entsprechen ANSI XXX  
As standard, dimensional tolerances are to ANSI XXX

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.  
We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werkssachverständiger / factory specialist	E-Mail / e-mail
Klampfer Josef	josef.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.  
Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

AMAG rolling  
Werkssachverständiger  
ROL Nr. 315




AMAG rolling GmbH, Postfach 32, A-5282 Ranshofen, Österreich – [www.amag.at](http://www.amag.at)  
AMAG rolling GmbH, P.O. Box 32, A-5282 Ranshofen, Austria – [www.amag.at](http://www.amag.at)

From: Copper and Brass Sales

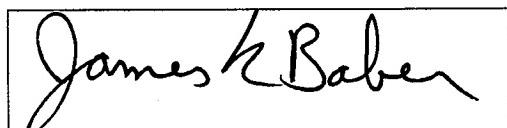
Cust: THYSSENKRUPP MATERIALS NA - ECAD Del: 2402152115

Part:

PO: PEC# 243499

Wgt: 174.182 LB

Date: 11/07/2012





C. &amp; P. MATERIAL #:

ALTR 015783

**Abnahmeprüfzeugnis 3.1 (EN 10204)**  
**Inspection certificate – mill certificate**

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Nr.: 85271188 01 / 1

Rev. 0

Seite / page: 1 von / of 2

Datum / date: 2012 08 07

Auftraggeber / customer: Charleston Aluminum , LLC 480 Frontage Road GASTON SC 29053 USA	Bestell Nr. / order no.: 2004-G Datum / date: 2012 03 13
Warenempfänger / consignee: Charleston Aluminum , LLC 480 Frontage Road GASTON SC 29053 USA	Auftragsbest. Nr. / order confirm. no.: 638938 Datum / date: 2012 03 15
Endkunde, Bestell-Nr. / Your cust., ord. no.:	Lieferschein Nr. / delivery note: 85271188 Datum / date: 2012 08 31
	Akkreditiv Nr. / letter of credit no.:

Produkt/product	Bedingungen/terms
Form / form: Werkstoff / material: 2024 Zustand / temper: T3 Dim. / dim: [inch]: 0,063x48,00x144,00 Kundenartikel-Nr / customer article no.:	Techn. Lieferbedingungen / techn. spec.: AMS-QQ-A-250/4A, 09.1998 ASTM B 209 - 10 AMS 4037N, 07.2003 WL 3.1354-1, 12.1987 Cessna CMMP019, Rev. D, 09-07-01 Cessna CMMP025, Rev. T, 01-25-10 ABM 1-6015, Issue 2, OCT 2004 AIR9048, 26 December 1978  Sondervorschrift / special terms:

AB-Pos. ord.-item.	BNr/Los/Teillos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
04	64862/01/00	01/0051093/2	2024	6389380005	2447,09 lbs	55
04	64862/01/00	01/0051093/2	2024	6389380006	2449,295 lbs	55
04	64862/01/00	01/0051093/2	2024	6389380007	2447,09 lbs	55
04	64862/01/00	01/0051093/2	2024	6389380008	2447,09 lbs	55

## Chemische Zusammensetzung / chemical composition: [%] Gewichtsanteile / weight proportion (OES)

Guss Nr. / cast no.	AMAG designation	Chemical composition (% weight proportion)									
		Al	Si	Fe	Cu	Mn	Mo	Cr	Ni	Zn	Ti
01/0051093/2	2024	93,31	0,08	0,12	4,3	0,53	1,5	<0,01	<0,01	0,05	0,03
	actual	Ti+Zr	Sonstige Einzel	Sonstige Summe							
	actual	0,03	0,02	0,03							

## Zugversuch / Tensile test

BNr/Los Lot/No.	Zustand temper	Richtung direction	Tests		Rm [ksi]	Rp0.2 [ksi]	A2" [%]			
				spec.min.	63,8	42,1	15			
				spec.max.						
64862/01	T3	LT	7	Min	66,7	48,4	17			
64862/01	T3	LT		Max	67,3	49,3	18			

AMAG rolling GmbH, Postfach 32, A-5282 Ranshofen, Österreich - [www.amag.at](http://www.amag.at)  
AMAG rolling GmbH, P.O. Box 32, A-5282 Ranshofen, Austria - [www.amag.at](http://www.amag.at)

From: Copper and Brass Sales

Cust: THYSSENKRUPP MATERIALS NA - ECAD Del: 2402152115

Part:

PO: PEC# 243499

Wgt: 174.182 LB

Date: 11/07/2012

## PURCHASE ORDER

**Purchase Order ID PO18348**

**Purchase Order Date** 11/07/12

PO Print Date 11/07/12

Page Number 1 of 4

**Order From :**

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

**Contact Name**

**Vendor Phone** 805-660-8444

**Vendor Fax** 805-738-0833

**Vendor Account No.**

Buyer	Chantal Lavoie
Requisition Nbr	
Tax Resale Nbr	10127-2607
Terms	Net 30
Currency	CAD
FOB	Destination-Collect

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAXED**  
**12/11/07**

M12 3701    M123699

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M6061T6S.032	6061-T6 Sheet 0.032"	11/14/12 Yes	✓ 192.00 sf	Yours ppd	\$2.1875	\$420.00
		<b>Special Inst:</b>	MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 40327 OR ASTM B209				
2	M304S18GA 020	304/316 .050 Sheet	11/14/12 Yes	✗ 192.00 sf	Yours ppd	\$3.3828	\$649.50
		<b>Special Inst:</b>	MATERIAL: AISI 304/316 SS SHEET ANNEALED 2B FINISH AS MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240				
3	M2024T3S.063	2024-T3 .063 sheet	11/14/12 Yes	✓ 192.00 sf	Yours ppd	\$5.8521	\$1,123.60

PQ Instructions: QUOTE : # PEC ST-506619

## No substitution or deviation without consent

**Certificate of Conformity or Material Certification required - YES      NO**

Change Nbr: 1

Change Date: 11/07/12



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO18348

Purchase Order Date 11/07/12  
PO Print Date 11/07/12

Page Number 2 of 4

Order From :

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

VC-COP001

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer Chantal Lavoie  
Requisition Nbr  
Tax Resale Nbr 10127-2607  
Terms Net 30  
Currency CAD  
FOB Destination-Collect

Special Inst: MATERIAL: 2024-T3 ALUMINUM SHEET  
QQ-A-250/4 OR AMS-QQ-A-250/4 OR  
AMS 4037  
OR ASTM B209

4 M6061T6B2.000X01.250 6061-T6 Bar 2.00 x 1.25 11/14/12 ~~✓~~ 36.00 Yours ppd \$6.0000 \$216.00  
01-

Special Inst: MATERIAL: 6061-  
T6/T651/T6510/6511T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8  
OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR  
AMS 4160 OR ASTM B211 OR  
ASTM B221

5 M6061T6B1.000X12.000 6061-T6 Bar 1.00 x 12.00 11/14/12 ✓ 12.00 Yours ppd \$28.3333 \$340.00  
03-

Special Inst: MATERIAL: 6061-  
T6/T651/T6510/6511T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8  
OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR  
AMS 4160 OR ASTM B211 OR  
ASTM B221

6 M6061T6B1.250X01.250 6061-T6 Bar 1.25 x 1.25 11/14/12 ✓ 12.00 Yours ppd \$3.6670 \$44.00  
03-

MATERIAL CERTIFICATION  
RECD UPON DELIVERY  
*11/14/12*

PO Instructions: QUOTE : # PEC ST-506619

No substitution or deviation without  
consent.

Certificate of Conformity or Material  
Certification required - YES NO

Change Nbr: 1

Change Date: 11/07/12



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO18348

Purchase Order Date 11/07/12  
PO Print Date 11/07/12

Page Number 3 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer	Chantal Lavoie
Requisition Nbr	
Tax Resale Nbr	10127-2607
Terms	Net 30
Currency	CAD
FOB	Destination-Collect

**Special Inst:** MATERIAL: 6061-  
T6/T651/T6510/6511T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8  
OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR  
AMS 4160 OR ASTM B211 OR  
ASTM B221

7 M6061T6B1.500X01.250 6061-T6 Bar 1.50 x 1.25 11/14/12 ✓ 12.00 Yours ppd \$4.5500 \$54.60

ccy

f *11/14/12*

**Special Inst:** MATERIAL: 6061-  
T6/T651/T6510/6511T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8  
OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR  
AMS 4160 OR ASTM B211 OR  
ASTM B221

8 M6061T6B2.500X03.500 6061-T6 Bar 2.50 x 3.50 11/14/12 ✓ 12.00 Yours ppd \$20.6600 \$247.92

ccy

f *11/14/12*

**Special Inst:** MATERIAL: 6061-  
T6/T651/T6510/6511T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8  
OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR  
AMS 4160 OR ASTM B211 OR  
ASTM B221

9 M303B1.000X2.000 303 BAR 1" X 2" 11/14/12 ✓ 12.00 Yours ppd \$33.8933 \$406.72

ccy

f *11/14/12*

*for y'all*  
MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

PO Instructions: QUOTE : # PEC ST-506619

No substitution or deviation without consent.  
Certificate of Conformity or Material Certification required - YES NO

Change Nbr: 1

Change Date: 11/07/12



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO18348

Purchase Order Date 11/07/12

PO Print Date 11/07/12

Page Number 4 of 4

Order From :

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

VC-COP001

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer Chantal Lavoie  
Requisition Nbr  
Tax Resale Nbr 10127-2607  
Terms Net 30  
Currency CAD  
FOB Destination-Collect

Special Inst: MATERIAL: AISI 303 SS BAR AS PER  
ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

10 M304B0.250X4.000 304 BAR .250 x 4.00 11/14/12 24.00 Yours ppd \$7.4800 \$179.52  
051 Yes f

Special Inst: MATERIAL: AISI 304/316 SS BAR OR  
AISI 304/316 SS PLATE  
AS PER ASTM A276 OR ASTM A240  
NOTE: AISI 303 NOT ACCEPTABLE

PO Total: \$3,681.86

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

PO Instructions: QUOTE : # PEC ST-506619

Change Nbr: 1

Change Date: 11/07/12

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required YES NO